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SOME HEPATICAE FROM MATINICUS ISLAND, MAINE

ANNIE LORENZ

A collection of hepatics from Matinicus Island, Maine, the result of a hasty trip made by Messrs. E. B. Chamberlain and A. H. Norton, August 16-17, 1916, has been kindly communicated to the writer by Mr. Chamberlain for examination. They proved to be of such interest that it was deemed advisable to write them up for THE BRYOLOGIST.

Matinicus lies 18 miles out from Rockland and is the largest of a small group of those islands farthest from the Maine coast. For a most interesting description of the island the reader is referred to W. H. McAtee's article in Rhodora for February, 1916. From a perusal of this paper, as well as the study of these specimens, the similarity of Matinicus to the small islands off Mt. Desert, as Cranberry and Baker's, is evident, and one gains a most attractive impression of the place. As the writer is at present busy with the revision of the Mt. Desert hepatic list, this collection is peculiarly opportune.

The 18 packets in the collection contained 21 species, these being either several numbers of the same species, or several species in the same packet. This was particularly the case with the material from "The Heath." (Mt. Desert nomenclature again). These packets were a mixture of *Riccardia latifrons* Lindb.; *Mylia anomala* (Hook.) S. F. Gray; *Cephalozia connivens* (Dicks.) Lindb.; *Cephalozia macrostachya* Kaal. (especially fine material); *Calypogeia sphagnicola* (Arn. & Perss.) Warnst. & Loeske, (second station for Maine, see Evans, Rhodora, September, 1919); and *Lepidozia selacea* (Web.) Mitt.

Two species in particular, the writer would be very glad to have on the Mt. Desert list, *Calypogeia Neesiana* (Massal. & Carest.) C. Müll. and, rather curiously, fine *Scapania paludicola* Loeske, in a spring-hole, between the dunes and High Head. Everything observed in a suitable station on Baker's Island was plain but good *Scapania irrigua* (Nees.) Dum.

Aside from the inhabitants of the sphagnum bog, which are the same all over New England, the hepatic flora, like that of Mt. Desert, is not particularly arctic, nor even of the sub-alpine character of White Mountain regions like Waterville. It consists chiefly of the usual species that grow everywhere, every one of them being common to Connecticut.

There ought, however, to be some really northern things there like *Nardia scalaris* (Schrad.) S. F. Gray, and *Cephalozia Francisci* (Hook.) Dumort. A survey of the New England list gives at least 30 more species which it would not be unreasonable to expect upon a non-mountainous island lacking ravines, brooks, etc. In fact, the writer has already collected 7 of these species on Baker's Island.

As the Mt. Desert list, after considerable critical collecting, is only up to 64, this preliminary Matinicus list of 21 compares extremely favorably, and the island ought richly to repay further attention.

LIST OF SPECIES

Riccardia latifrons Lindb. The Heath, west of Condon Point in path through the *Sphagnum*, 5327, in part.

Nardia crenulata (Sm.) Lindb. Open boggy field, just north of Harbor, 5302.

Mylia anomala (Hook.) S. F. Gray. The Heath, west of Condon Point, in path through the *Sphagnum*, 5319, 5327.

Lophocolea heterophylla (Schrad.) Dumort. High Head, dry cut bank on shore, 10 feet above tide-line. 5340.

Geocalyx graveolens (Schrad.) Nees. Young's Woods, southeast end, on ground, 5367.

Cephalozia bicuspidata (L.) Dumort. Spring-hole, in spruce woods, between dunes and High Head, 5349.

Cephalozia connivens (Dicks.) Lindb. The Heath, in path through the *Sphagnum*. 5319, 5327.

Cephalozia macrostachya Kaal. The Heath, in path through the *Sphagnum* 5319, in part; 5327.

Cephalozia media Lindb. In spruce swamp, Big Heath, 5321.

Calypogeia Neesiana (Massal. v. Carest.) K. Müll. In spruce swamp, Big Heath. 5321.

Calypogeia sphagnicola (Arn. & Perss.) Warnst. & Loeske, 5319. The Heath, in path through the *Sphagnum*.

Calypogeia Trichomanis (L.) Corda. Young's Woods, on mucky soil, 5365.

Bazzania trilobata (L.) S. F. Gray. Dry spruce woods, north of Harbor, 5301.

Lepidozia reptans (L.) Dumort. Young's Woods, southeast end, 5364.

Lepidozia setacea (Web.) Mitt. The Heath, in trodden path, 5320, 5319, 5327.

Blepharostoma trichophyllum (L.) Dumort. Young's Woods, on old stub, 5363.

Ptilidium ciliare (L.) Nees. Dry spruce woods, north of Harbor, 5303.

Ptilidium pulcherrimum (Web.) Hampe. On ledges near Harbor, 5394, 5399.

Scapania paludicola Loeske. Spring-hole, Spruce Woods, between dunes & High Head, 5349.

Frullania Asagrayana Mont. On spruce tree, Young's, southeast, 5360, 5361. On ledge near Harbor, 5394. On rocks, high land west of Harbor, 5399. *Frullania eboracensis* Gottsche. Willow trunk Young's 5388.

HARTFORD, CONNECTICUT

OBITUARY

LURA LAVONIA PERRINE, one of the charter members of the Sullivant Moss Society, died at Victoria, B. C., on October seventh, 1919, of a paralytic stroke. She was born at Detroit, Michigan, of Huguenot ancestry, and has been for over twenty-seven years a member of the faculty of the State Normal School at Valley City, North Dakota, first as professor of Natural Sciences, specializing in Geography and Geology, later as Curator of Museums. The last ten years she spent developing her idea of the practical school museum, and the volume of illustrative material in daily use in the class rooms of the Normal (including her private collection of over 30,000 post cards) attest the value of this work. Miss Perrine has spent her vacations collecting on both the east and west American coasts, and though her health has been failing for several years, her splendid ambition and devotion to her life-work drove her to the very end. It seems perhaps fitting that her life should go out in the tide of the ocean that she loved best.

The above has just been received from Mrs. McDonald, the sister of Miss Perrine, in response to a request for some particulars, who also adds that her's was a wonderful life of unselfish devotion, and that hundreds of old students in Valley City expressed their love and appreciation of her efforts.

For many years I carried on a rather regular correspondence with Miss Perrine, especially the winter she spent in Florida. Lately it became only an annual event, but I was always glad to get her bright and newsy letters.

The Sullivant Moss Society extend its sympathy to her family.

BROOKLYN, N. Y.

ANNIE MORRILL SMITH

NOTES ON MEXICAN LICHENS

ALBERT C. HERRE

While looking over some Mexican plants, principally mosses and liverworts, though including some of the higher plants, with T. S. Brandeggee, I noticed a number of lichens more or less entangled with or attached to them. A careful study of these plants revealed the following species:

1. *Cladonia ceratophylla* (Sw.) Eschw. Zacuapan, Vera Cruz; also collected on Iztaccihuatl.
2. *Cladonia squamosa* (Scop.) Hoffm. Zacuapan, Vera Cruz.
3. *Cladonia fimbriata* (L.) Hoffm. Boca del Monte.
4. *Leptogium marginellum* (Sw.) Mont. Zacuapan.
5. *Leptogium foveolatum* Nyl. This is not strongly differentiated from *L. reticulatum* Mont. Zacuapan.